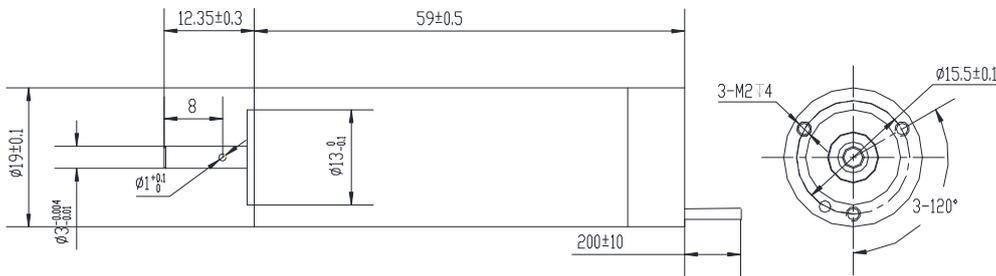


机械尺寸

(Dimensions)



选件 Options



接插件 齿轮箱

特性概要

(General Specifications)

| | |
|------------------------------|--------------------------------|
| 绕组连接方式 (Winding Type) | 星形 (Star connection) |
| 介电强度 (Dielectric Strength) | 360VAC/1S |
| 绝缘电阻 (Insulation Resistance) | 100MΩ, 500VDC |
| 环境温度 (Ambient Temperature) | -20°C ~ +50°C |
| 绝缘等级 (Insulation Class) | Class B |
| 径向间隙 (Radial Play) | 0.02mm@4N |
| 轴向间隙 (Axial Play) | 0.14mm@4N |
| 最大径向负载 (Max radial force) | 8N距法兰5mm (5mm From the flange) |
| 最大轴向负载 (Max axial force) | 4N |

接线说明

(Electric Connection)

| 线型号 Type | 线颜色 Color | 功能 Functions |
|--------------------|--------------|-----------------|
| AFR250-SY AWG26 | 红色(Red) | 霍尔电源正(Vcc) |
| | 蓝色(Blue) | 霍尔 W (Hw) |
| | 绿色(Green) | 霍尔 V (Hv) |
| | 白色(White) | 霍尔 U (Hu) |
| | 黑色(Black) | 霍尔电源负(GND) |
| UL1332 AWG22 | 黄色(Yellow) | U相 (Phase U) |
| | 红色 (Red) | V相 (Phase V) |
| | 黑色(Black) | W相 (Phase W) |

电性能

(Electrical Specifications)

| | 单位 (Unit) | FL19SBL56-36V-530-130A | FL19SBL44-12V-280-30A |
|--|-----------|------------------------|-----------------------|
| 极数 (Number of poles) | | 2 | 2 |
| 相数 (Number of phases) | | 3 | 3 |
| 额定电压 (Rated voltage) | VDC | 36 | 12 |
| 空载转速 (No load speed) | RPM | 58000 | 35000 |
| 空载电流 (No load current) | A | 0.2 | 0.2 |
| 额定转矩 (Rated torque) | mN.m | 23.9 | 11 |
| 额定电流 (Rated current) | A | 4.5 | 3.5 |
| 额定速度 (Rated speed) | RPM | 53000 | 28000 |
| 额定功率 (Rated power) | W | 130 | 30 |
| 额定效率 (Rated efficiency) | % | 84.5 | 83.7 |
| 峰值扭矩 (Peak torque) | mN.m | 72 | 33 |
| 峰值电流 (Peak current) | A | 13.5 | 10.5 |
| 线电阻 (Line to line resistance) | ohms@20°C | 0.45 | 0.31 |
| 线电感 (Line to line inductance) | mH | 0.045 | 0.027 |
| 转矩常数 (Torque constant) | mNm/A | 5.6 | 3.2 |
| 反电势 (Back EMF) | Vrms/Krpm | 0.42 | 0.24 |
| 外壳-环境热阻 (Housing - Ambient thermal resistance) | K/W | 11.6 | 9 |
| 电机热时间常数 (Motor thermal time constant) | S | 840 | 780 |
| 绕组最高允许温度 (Max temperature of winding) | °C | 155 | 155 |
| 电气时间常数 (Electrical time constant) | ms | 0.1 | 0.087 |